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## 1. PRODUCT IDENTIFIER & IDENTITY FOR THE CHEMICAL

**Product Identifier:** SONICLEAN ULTRASONIC DETERGENT CONCENTRATE

**Other Names:**

**Dangerous Goods Shipping Name:** Not regulated

**SUSMP name:** Poison Schedule 6 (Sodium Nitrite)

Product Code: CH-SLQ5L-MC1

**Recommended use of the chemical and restrictions on use:** Low foaming detergent concentrate for ultrasonic baths

**Supplier Details**

Soniclean Pty Ltd  
38 Anderson Street  
Therbarnton, South Australia 5031  
Australia  
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Tel: +61 8 8234 8398  
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Contact point: +61 8 8234 8398

EMERGENCY TELEPHONE NUMBER: A/H +61 407 994 198 or Toll Free 1800 999 196  
Quote M0803

## 2. HAZARD IDENTIFICATION

**Classification of the hazardous chemical**

Classified as hazardous according to criteria of ASCC but not classified as a dangerous goods according to the ADG code.

Emergency overview: Contains sodium nitrite which is harmful if swallowed, inhaled or absorbed through skin. Causes irritation to skin, eyes and respiratory tract.

Classification under the Globally Harmonised System of Classification and Labelling of Chemicals 4th Revised Edition:

Acute toxicity - category 3

Hazardous to the aquatic environment (acute) - category 1

**Label elements** according to the National model Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015)

**Hazard pictograms:**



**Signal word:** DANGER

**Hazard statements:**

H301 Toxic if swallowed.

H400 Very toxic to aquatic life

**Precautionary statements:**

P220 Keep/Store away from clothing/ combustible materials.

P273 Avoid release to the environment.

**Other hazards which do not result in classification**

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Name	Concentration, %	Product Identifier	Hazard Classes and Hazard Categories
Sodium Nitrite	6	CAS No. 7632-00-0 EC No. 231-555-9 Index No.: 007-010-00-4	Ox. Sol. 3, H272 Acute Tox. 3 , H301 Aquatic Acute 1, H400

Ingredients either below cut off levels or not classified in “Implementing GHS – Annex 9”

Substance Name	Concentration, %	Product Identifier	Hazard Classes and Hazard Categories
Water	>60	CAS No. 7732-18-5 EC No. 231-791-2	Not Listed
4,4'-Isopropylidenediphenol, ethoxylated	<10	CAS No. 32492-61-8 EC No. 500-082-2	Aquatic Chronic 3, H412
Propylene Glycol	<10	CAS No. 57-55-6 EC No. 200-338-0	Not Listed
Non-hazardous ingredients	<10	confidential	Not listed

### 4. FIRST AID MEASURES

#### Description of necessary first aid measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Notes to Physician: Treat symptomatically and supportively.

**Symptoms caused by exposure: Sodium nitrite:** Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer., Headache, Nausea, Incoordination.

**Medical Attention and Special Treatment:** No data

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide or chemical foam

#### Specific hazards arising from the chemical

Fire: If involved in a fire the product may generate carbon monoxide, carbon dioxide and nitrogen oxides.

Explosion: Not considered to be an explosion hazard.

Autoignition Temperature: Not available.

Explosion Limits, Lower: Not applicable, Upper: Not applicable

Hazchem Code: Not applicable

#### Special protective equipment and precautions for fire fighters

Advice for firefighters: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to

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prevent contact with thermal decomposition products. Containers may explode when heated

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Not applicable

**Environmental precautions** Do not flush large spills into surface water or sanitary sewer system.

General Information: Use proper personal protective equipment as indicated in Section 8.

### **Methods and materials for containment and cleaning up**

Spills/Leaks: Spills: Absorb large spills on sand or earth and collect for disposal in clean, labelled containers. Flush small spills and residues to drain with excess water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Wash thoroughly after handling. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale..

**Conditions for safe storage, including any incompatibilities:.** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control parameters – exposure standards, biological monitoring**

HSIS Airborne Exposure Limits: Not assigned

**Appropriate engineering controls:** Not applicable

### **Personal protective equipment (PPE)**

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: No special requirements.

Respiratory Protection (AS/NZS 1715/1716 Approved): No special requirements.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow liquid

Boiling Point (oC): 100

Melting Point (oC): No data

Specific Gravity: 1.06 (approximately)

Vapour Pressure (Pa or mm of Hg at 25oC): No Data

Flashpoint (oC): None

Flammability Limits (%): LEL - Not Applicable; UEL - Not Applicable

Solubility in Water (g/L): Soluble in all proportions

pH (neat): 8.2 ± 0.5

Vapour Density: No data

Evaporation Rate: Not available.

Viscosity: No data

Decomposition Temperature: No data

Solubility: miscible in water

## 10. STABILITY AND REACTIVITY

**Reactivity:** Will not polymerise.

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, excess heat.

**Incompatible materials and possible hazardous reactions:** Reacts with amines, ammonia, oxidising and reducing agents. Acids liberate toxic nitrogen oxides.

**Hazardous Decomposition Products:** Oxides of Nitrogen, carbon

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Hazardous Polymerization: Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Information on routes of exposure:** Contact and Oral.

### Potential health effects

**Inhalation:** Mist may be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion:** Harmful if swallowed.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause serious eye irritation.

### Signs and Symptoms of Exposure

Absorption into the body of sodium nitrite leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer, Headache, Nausea, Incoordination.

**Numerical measures of toxicity:** No data for product.

### Immediate, delayed and chronic health effects from exposure

Skin corrosion/irritation: No data

Serious eye damage/irritation: No data

Respiratory or skin sensitisation: Not sensitising.

Germ cell mutagenicity: no data

Reproductive toxicity: no data

Aspiration hazard: Not an aspiration hazard

Carcinogenicity: IARC: 2A - Group 2A: Probably carcinogenic to humans (Sodium nitrite).

Mutagenicity: No data

Specific target organ toxicity (stot) – single exposure: No data

Specific target organ toxicity (stot) – repeated exposure: No data

**Exposure Levels:** no data

**Interactive effects:** none known

**Data limitations:** none known

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Sodium nitrite LC50 = 0.19 mg/L, *Oncorhynchus mykiss* 96 h

**Persistence and degradability:** Product will degrade in sewage treatment plants.

**Bioaccumulative potential:** No data

**Mobility in soil:** Sodium nitrite -3.7 Component log Pow

**Other adverse effects:** Sodium nitrite is very toxic to aquatic life

## 13. DISPOSAL CONSIDERATIONS

**Safe handling and disposal methods:** Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility.

**Disposal of any contaminated packaging:** Dispose of container and unused contents in accordance with federal, state and local requirements..

**Environmental regulations:** No data

## 14. TRANSPORT INFORMATION

**Australian DG Classification for Road and Rail:** Not a dangerous good

**Environmental hazards:** Not a marine pollutant

**Special precautions during transport:**

**Hazchem Code:** Not applicable

## 15. REGULATORY INFORMATION

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Australian Inventory of Chemical Substances: All ingredients are listed on the AICS

**HSIS (Safe Work Australia) Labelling:** O Oxidising; T Toxic; N Dangerous for the environment;  
R8 Contact with combustible material may cause fire. R25 Toxic if swallowed;  
R50 Very toxic to aquatic organisms. S1/2 Keep locked up and out of the reach of  
children; S45 In case of accident or if you feel unwell, seek medical advice  
immediately (show the label whenever possible).

**SUSMP Labelling:** S6 Poison: FIRST AID: For advice, contact a Poisons Information Centre (Phone  
Australia 131 126) or a doctor (at once). If swallowed, do NOT induce vomiting.

## 16. OTHER INFORMATION

**Date of preparation or review:**

**Key abbreviations or acronyms used: Not applicable**

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**End of SDS**